

531 Rec'd PC-7 / 019087  
19 DEC 2001

Attorney's Docket No. 9250-5CTIP4XX

PATENT #2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Fischer et al.

International Appl. No.: PCT/US01/18611

International Filing Date: 8 June 2001

For: METHOD FOR DETECTING A LIPOPROTEIN-ACUTE PHASE PROTEIN  
COMPLEX AND PREDICTING AN INCREASED RISK OF SYSTEM FAILURE  
OR MORTALITY

Date: December 19, 2001

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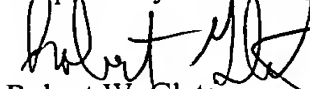
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Attached is a list of documents on form PTO-1449 together with a copy of each identified document. It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. The Commissioner is hereby authorized to charge any additional fee, which may be required, or credit any refund, to our Deposit Account No. 50-0220.

Respectfully submitted,



Robert W. Glatz

Registration No. 36,811

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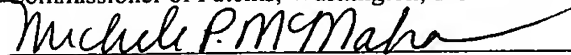
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FORM PTO-1449 U.S. Department of Commerce  
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Attorney Docket Number  
9250-5CTIP4XX

Serial No.  
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## LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

10/019087

Applicants:

Fischer et al.

Filing Date:  
Concurrently Herewith

Group  
Unknown

## U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1	4,782,014	11/01/88	Serban et al.	435	7	
	2	4,902,630	02/20/90	Bennett et al.	436	546	
	3	5,003,065	03/26/91	Merritt et al.	540	469	
	4	5,221,628	06/22/93	Anderson et al.	436	5074	
	5	5,358,852	10/25/94	Wu	435	7.94	
	6	5,500,345	03/19/96	Soe et al.	435	7.1	
	7	5,593,897	01/14/97	Potempa et al.	436	507	
	8	6,040,147	03/21/00	Ridker et al.	435	7.24	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes   No
	9	EP 818 680	01/14/98	EP	G01N	33/546	
	10	JP 04-254760	09/10/92	Japan - Abstract	G01N	33/53	
	11	WO 89/09628	10/19/89	WIPO			
	12	WO 91/00872	01/24/91	WIPO	C07K	15/28	
	13	WO 91/05874	05/02/91	WIPO	C12Q	1/00	
	14	WO 93/09438	05/13/93	WIPO	G01N	33/68	
	15	WO 93/24530	12/09/93	WIPO	C07K	15/06	
	16	WO 96/06624	03/07/96	WIPO	A61K	35/16	
	17	WO 97/04317	02/06/97	WIPO	G01N	33/68	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	18	Artherotech, <i>VAP/CAD Lipoprotein Risk Assessment Test and Sample of VAP Profile</i> , <a href="http://www.artherotech.com/risk_assesment.html">http://www.artherotech.com/risk_assesment.html</a>					
	19	Cabana, et al., <i>Effects of the acute phase response on the concentration and density distribution of plasma lipids and apolipoproteins</i> , <i>JLipid Res.</i> , 30:39-49 (1989).					
	20	Cabana, et al., <i>Inflammation-induced changes in rabbit CRP and plasma lipoproteins</i> , <i>JImmunol.</i> , 130(4):1736-1742 (April 1983).					

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Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office  <b>LIST OF DOCUMENTS CITED BY APPLICANT</b>  (Use several sheets if necessary)		Attorney: 531 Res' d' C... 9250-5CTIP4XX  <div style="text-align: right;"> <b>19 DEC 2001</b>            To Be Assigned  <b>10/019087</b> </div>	
		Applicants: Fischer et al.	
		Filing Date: Concurrently Herewith	Group Unknown
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	21	Cabana, et al., <i>Interaction of very low density lipoproteins (VLDL) with rabbit C- reactive protein</i> , <u>J.Immunol.</u> , 128(5):2342-2348 (May 1982).	
	22	Canivet, et al., <i>Postoperative changes in lipid profile: their relations with inflammatory markers and endocrine mediators</i> , <u>Acta Anaesthesiol.Belg.</u> , 40(4):263-268 (1989).	
	23	Christner and Mortensen, <i>Specificity of the binding interaction between human serum amyloid P-component and immobilized human C-reactive protein</i> , <u>J.Biol.Chem.</u> , 269(13):9760-9766 (April 1994).	
	24	de Beer, et al., <i>Low density lipoprotein and very low density lipoprotein are selectively bound by aggregated C-reactive protein</i> , <u>J.Exp.Med.</u> , 156:230-242 (July 1982).	
	25	Dennis et al., <i>Utility of prothrombin time waveform analysis in the routine clinical setting</i> , <u>Abstract Instruction and Submission Form</u> , (Sept. 1999).	
	26	Downey et al., <i>The robustness and reproducibility of APTT waveform analysis in relation to reagent and batch variation</i> , <u>abstract only</u> .	
	27	Downey et al., <i>Transmittance waveforms - adjunctive information from automated coagulometers</i> , <u>Int.J.Hematol.</u> , 64 Suppl:S160, Abstract #619, (Aug. 1996).	
	28	Downey, et al., <i>Novel and diagnostically applicable information from optical waveform analysis of blood coagulation in disseminated intravascular coagulation</i> , <u>Br.J.Haematol.</u> , 98:68-73 (1997).	
	29	Eitoku et al. et al., <i>Studies on the serum amyloid A (SAA): Part 2 latex agglutination nephelometric immunoassay system for the quantitation of SAA in human serum and its clinical values</i> , <u>Physico.Chem.Biol.</u> , 37:19-23 (Feb. 1993).	
	30	Engler, R., <i>[Acute-phase proteins in inflammation]</i> , <u>C.R.Seances Soc.Biol.Fil.</u> , 189(4):563-578 (1995).	
	31	Gewurz, et al., <i>C-reactive protein and the acute phase response</i> , <u>Adv.Intern.Med.</u> , 27:345-372 (1982).	
	32	Harris et al., <i>Reactivity of serum amyloid P component with C-reactive protein and IgM</i> , <u>Clin.Res.</u> , 37, Abstract #614A (1989).	
	33	Hulman and Fuller, <i>Comparison of fat agglutination slide test and latex test for C- reactive protein</i> , <u>Clin.Chim.Acta</u> , 165:89-93 (5-29-1987).	
	34	Hulman, et al., <i>Agglutination of intralipid by sera of acutely ill patients</i> , <u>Lancet</u> , 2:1426-1427 (Dec. 1982).	
	35	Hulman, G., <i>The pathogenesis of fat embolism</i> , <u>J.Pathol.</u> , 176:3-9 (1995).	
	36	Husebekk, et al., <i>High-density lipoprotein has different binding capacity for different apoproteins. The amyloidogenic apoproteins are easier to displace from high-density lipoprotein</i> , <u>Scand.J.Immunol.</u> , 28:653-658 (1988).	
	37	Lagrand, et al., <i>C-reactive protein as a cardiovascular risk factor: more than an epiphenomenon?</i> , <u>Circulation</u> , 100:96-102 (July 1999).	

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	38	Lindh, et al., <i>Agglutinate formation in serum samples mixed with intravenous fat emulsions</i> , <u>Crit Care Med.</u> , 13(3):151-154 (March 1985).			
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	40	Maury et al., <i>Clinical usefulness of serum amyloid A and C-reactive protein measurements in inflammatory disorders a comparative study</i> , <u>Marker Proteins in Inflammation Proceedings, Symposium, Lyon, France</u> , 3:Abstract only-(1985), 153-156			
	41	McCarty, M., <i>Historical perspective on C-reactive protein</i> , <u>Ann.N.Y.Acad.Sci.</u> , 389:1-10 (1982).			
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	45	Richter, et al., <i>The fat emulsion agglutination test: a reliable and cost effective alternative to the latex agglutination test for rapid bedside CRP measurement</i> , <u>Clin.Chim.Acta</u> , 261:141-148 (May 1997).			
	46	Robin et al., <i>Prognostic value of waveform analysis in the intensive care setting</i> , <u>Intensive Care Med.</u> , 25(Suppl 1):S63 (1999).			
	47	Rowe, et al., <i>Agglutination of intravenous lipid emulsion ('Intralipid') and plasma lipoproteins by C-reactive protein</i> , <u>Clin.Exp.Immunol.</u> , 66:241-247 (1986).			
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	49	Rowe, et al., <i>In vivo turnover studies of C-reactive protein and lipoproteins in the rabbit</i> , <u>Clin.Exp.Immunol.</u> , 58:245-252 (1984).			
	50	Rowe, et al., <i>Rabbit and rat C-reactive proteins bind apolipoprotein B-containing lipoproteins</i> , <u>J.Exp.Med.</u> , 159:604-616 (Feb. 1984).			
	51	Rybarska, J., Konieczny, L., Piekarska, B., Stopa, B., and Roterman, I. et al., <i>The detection of specific acute phase serum protein complexes and immune complexes by congo red binding</i> , <u>J.Physiol Pharmacol.</u> , 46(2):221-231 (June 1995).			
	52	Sammalkorpi, et al., <i>Lipoproteins and acute phase response during acute infection. Interrelationships between C-reactive protein and serum amyloid-A protein and lipoproteins</i> , <u>Ann.Med.</u> , 22:397-401 (1990).			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	53	Schwalbe, et al., <i>Association of rat C-reactive protein and other pentraxins with rat lipoproteins containing apolipoproteins E and A1</i> , <i>Biochemistry</i> , 34(33):10432-10439 (Aug. 1995).	
	54	Simmons, A. <i>Ethanol-gel solubility test</i> , In: <i>Technical Hematology</i> , 3rd Edition, J.B. Lippincott Company, Philadelphia, PA, pg. 334-335 (1980).	
	55	Stewart, et al., <i>Sensitive and rapid measurement of C-reactive protein (CRP) by lipid agglutination</i> , <i>J.Clin.Pathol.</i> , 40:585-588 (1987).	
	56	Swanson, et al., <i>Human serum amyloid P-component (SAP) selectively binds to immobilized or bound forms of C-reactive protein (CRP)</i> , <i>Biochim.Biophys.Acta</i> , 1160:309-316 (12-28-1992).	
	57	Toh and Downey, <i>A previously unrecognized mechanism that is calcium-dependent and thrombin-independent characterizes the pre-DIC state</i> , <i>The American Society of Hematology, 1999 Submission Form</i> , Abstract #450426 (1999).	
	58	Toh and Downey, <i>The mechanism underlying the atypical clot waveform profile of DIC is thrombin-independent but calcium-dependent</i> , <i>European Haematology Association, Abstract Form</i> (June 2000).	
	59	Toh et al., <i>APTT Waveform analysis: predicting mortality in the critical care setting using the light transmittance level at 18 seconds</i> , <i>XVII Congress International Society for Thrombosis &amp; Haemostasis, Abstract Submission Form</i> , (Aug. 1999).	
	60	Toh et al., <i>Characterization of the novel calcium-activation, thrombin suppression assay (CaTs) in the DIC of sepsis, abstract only</i> .	
	61	Toh et al., <i>Impending clinical decompensation is characterized by the detection of a novel calcium-dependent and thrombin-independent pathway</i> , <i>5th World Congress on Trauma, Shock, Inflammation and Sepsis -- Pathophysiology, Immune Consequences and Therapy, Abstract Submission Form</i> , (Feb. 2000).	
	62	Toh et al., <i>Prospective detection of pre-disseminated intravascular coagulation (DIC) in a sepsis cohort by waveform analysis</i> , <i>XVII Congress International Society for Thrombosis &amp; Haemostasis, Abstract Submission Form</i> , (Aug. 1999).	
	63	Toh et al., <i>Waveform analysis of the prothrombin time (PT) assay also shows characteristic changes in disseminated intravascular coagulation</i> , <i>XVII Congress International Society for Thrombosis &amp; Haemostasis, Abstract Submission Form</i> , (Aug. 1999).	
	64	Toh, C.H., <i>Disseminated intravascular coagulation (DIC): Old problem, new hope</i> , <i>Clin.Hemostasis Rev.</i> , pg 18 (Jan. 1998).	
	65	Wilkins, et al., <i>Rapid automated enzyme immunoassay of serum amyloid A</i> , <i>Clin.Chem.</i> , 40(7):1284-1290 (1994).	

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